

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
Arthur Street Mercury - Removal Polrep  
Initial and Final Removal Polrep

US EPA RECORDS CENTER REGION 5



484930



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region V

**Subject:**

**POLREP #1  
Initial and Final Polrep  
Arthur Street Mercury**

**Brookfield, IL  
Latitude: 41.8299568 Longitude: -87.8529382**

**To:**

Mark Johnson, ATSDR  
Marc Miller, Illinois DNR  
Todd Rettig, Illinois DNR  
Bruce Everetts, Illinois EPA  
John Kim, Illinois EPA  
Todd Goeks, NOAA  
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Wayne Babcock, U.S. Department of Interior  
Robert Burr, U.S. Department of Interior  
Valencia Darby, U.S. DOI  
Carolyn Bohlen, U.S. EPA  
Sam Borries, U.S. EPA  
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Carol Ropski, U.S. EPA  
Brian Schlieger, U.S. EPA  
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Tom Baughman, ILDPH

**From:**

Mike Beslow, OSC

**Date:**

6/29/2016

**Reporting Period:**

06/29/2016

**1. Introduction**

**1.1 Background**

**Site Number:**

**Contract Number:**

**D.O. Number:**

**Action Memo Date:**

<b>Response Authority:</b> CERCLA	<b>Response Type:</b> Emergency
<b>Response Lead:</b> EPA	<b>Incident Category:</b>
<b>NPL Status:</b> Non NPL	<b>Operable Unit:</b>
<b>Mobilization Date:</b>	<b>Start Date:</b>
<b>Demob Date:</b>	<b>Completion Date:</b>
<b>CERCLIS ID:</b>	<b>RCRIS ID:</b>
<b>ERNS No.:</b>	<b>State Notification:</b>
<b>FPN#:</b>	<b>Reimbursable Account #:</b>

**1.1.1 Incident Category****1.1.2 Site Description**

The release occurred indoors at a residential home. The release of mercury was to the hard wood floor

**1.1.2.1 Location**

3330 Arthur Street

Brookfield, IL

**1.1.2.2 Description of Threat**

Elemental Mercury in residence with small children

**1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results**

Initial screening results with the Lumex peaked at 11,000 ug/m3 at source area

**2. Current Activities****2.1 Operations Section****2.1.1 Narrative**

On Sat, June 25, resident was preparing to hang an antique mirror. The mirror cracked on the back side and released elemental mercury to the hardwood floor.

**2.1.2 Response Actions to Date**

Homeowner vacuumed initial mercury beads with a vacuum. They contacted a number of local agencies. Illinois department of health was unable to respond because they did not have a mercury vapor analyzer. Serv-Pro responded and used air scrubbers to conduct an air exchange within the house. Serv-Pro disposed of the contaminated waste and the residents covered the effected area with visqueen plastic.

EPA arrived at approximately 9 am on June 29 with START. Air monitoring was conducted using a Lumex mercury vapor analyzer. Found readings at as high as 11,000 ug/m3 at source area in dining room.

START applied 3 applications of zinc powder from PIG Mercury Spill cleanup kit and screened the source area between each application. After 3 applications, Lumex detected upto 2200 ug/m3 at source area. Visqueen plastic was reapplied to floor, and room rescreen. With visqueen applied, breathing zone in source room was down to 4 ug/m3.

Homeowner stated they would make a claim with their insurance company to complete cleanup, and requested EPA to screen once again after insurance had finalized mitigation.

**2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)**

**2.1.4 Progress Metrics**

all elemental mercury waste was removed by Serv-Pro


**2.2 Planning Section**

**2.2.1 Anticipated Activities**

EPA expects to rescreen house, after insurance company completes remediation steps

**2.2.1.1 Planned Response Activities**

**2.2.1.2 Next Steps**

**2.2.2 Issues**

**2.3 Logistics Section**

No information available at this time.

**2.4 Finance Section**

No information available at this time.

**2.5 Other Command Staff**

No information available at this time.

**3. Participating Entities**

**3.1 Unified Command**

none

**3.2 Cooperating Agencies**

ATSDR

Illinois Department of Health

**4. Personnel On Site**

EPA

START

Homeowner

**5. Definition of Terms**

ATSDR - Agency for Toxic Substances and Disease Registry

**6. Additional sources of information**

No information available at this time.

**7. Situational Reference Materials**

No information available at this time.